ECO USA

**ESB-3420W Bullet**
**ESS-3420 Smoke**
**ESP-3420 PIR**
**ESU-3420 UFO**

# ECO Series Color Camera

**Note: Convert Camera only, No Smoke/PIR Function**

## FEATURES

- ★ **Sony Super HAD CCD**
- ★ **Resolution 420TVL**
- ★ **Employs Digital Signal Processor (DSP) chip-set**
- ★ **Fixed Lens included**
- ★ **Power Source:12V DC**

## CAUTION

***1. Never point the camera toward the sun***
Do not expose the lens directly to the sun or to strong light as this may damage the pick-up device.

***2. Handle this camera with care***
Avoid any shock or bumping of the camera. Improper handling could damage the camera.

***3. Requires a proper operating environment***
This camera is designed for both indoor and out door use. The allowable temperature range for operation of this camera is between -10°C + 60°C.

***4. Clean the front face to the pick-up device***

***5. Check the power source voltage***
The power source voltage should be within the specified range. (Camera must meet the specifications).

***6. Objects and liquid entry***
Never push objects of any kind into this device which may short-out parts that could result in a fire or electric shock. Never spill any kind of liquid on the video product.

***7. Servicing***
Do not attempt to service this video product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

** If you open the cover of the camera warranty will then become void.*

***8. Damage requiring service***
Unplug this video product from the wall outlet and refer service to qualified servicing personnel under the following conditions:

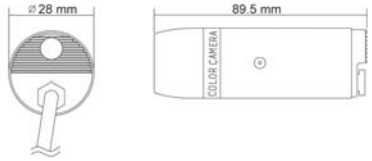
a. When the power supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the video product.
c. If the video product has been dropped or the housing has been damaged.
d. When the video product exhibits a distinct change in performance.

***9. Installation***
Installation should conform to all local codes.

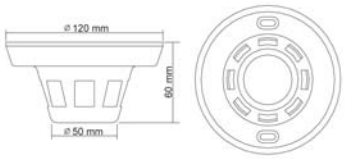
## SPECIFICATION

| Model | ESB-3420W | ESS-3420 | ESP-3420 | ESU-3420 |
|---|---|---|---|---|
| Type | Bullet | Smoke | PIR | UFO |
| Application | In/Outdoor | Indoor | | |
| Image Sensor | 1/4" | 1/3” SONY Super HAD CCD | | |
| Effective Picture Elements | NTSC:510x492<br>PAL: 500x582(HxV) | | | |
| Horizontal Resolution | 420TV Lines | | | |
| Minimum Illumination | 0.2 Lux,F1.2 | 0.1 Lux, F1.2 | | |
| Signal to Noise Ratio | 50 dB | | | |
| Gamma Characteristic | 0.45 | | | |
| Auto Electronic Shutter | NTSC: 1/60s~1/100,000s,<br>PAL: 1/50s~1/110,000s | | | |
| Lens | 3.6mm F2.0 | 3.7mm F2.0 | | |
| Auto Gain Control | Yes | | | |
| Auto White Balance | Yes | | | |
| Synchronization | Internal | | | |
| Video Output | 1 Vp-p / 75 Ohms | | | |
| Power Supply | 12V DC | | | |
| Power Consumption | 1.5W/130mA | 2.5W/200mA | | |
| Operating Temperature | -10 C~50 C (14 F~122 F) | | | |

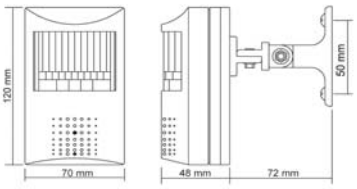
## DIMENSION



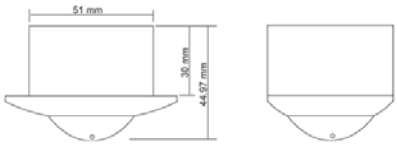

**ESB-3420W**




**ESS-3420**




**ESP-3420**




**ESU-3420**